

Grade	Minimum limits—		Maximum limits—		
	Test weight per bushel (pounds)	Sound oats (percent)	Heat-damaged kernels (percent)	Foreign material (percent)	Wild oats (percent)

U.S. Sample grade—

U.S. Sample grade are oats which:

- (a) Do not meet the requirements for the grades U.S. Nos. 1, 2, 3, or 4; or
- (b) Contain 8 or more stones which have an aggregate weight in excess of 0.2 percent of the sample weight, 2 or more pieces of glass, 3 or more *Crotalaria* seeds (*Crotalaria* spp.), 2 or more castor beans (*Ricinus communis* L.), 4 or more particles of an unknown foreign substance(s) or a commonly recognized harmful or toxic substance(s), 8 or more cocklebur (*Xanthium* spp.) or similar seeds singly or in combination, 10 or more rodent pellets, bird droppings, or equivalent quantity of other animal filth per 1 1/8 to 1 1/4 quarts of oats; or
- (c) Have a musty, sour, or commercially objectionable foreign odor (except smut or garlic odor); or
- (d) Are heating or otherwise of distinctly low quality.

¹ Oats that are slightly weathered shall be graded not higher than U.S. No. 3.² Oats that are badly stained or materially weathered shall be graded not higher than U.S. No. 4.

SPECIAL GRADES AND SPECIAL GRADE REQUIREMENTS

§ 810.1005 Special grades and special grade requirements.

(a) *Bleached oats*. Oats that in whole or in part, have been treated with sulfuric acid or any other bleaching agent.

(b) *Bright oats*. Oats, except bleached oats, that are of good natural color.

(c) *Ergoty oats*. Oats that contain more than 0.10 percent ergot.

(d) *Extra-heavy oats*. Oats that have a test weight per bushel of 40 pounds or more.

(e) *Garlicky oats*. Oats that contain 4 or more green garlic bulblets or an equivalent quantity of dry or partly dry bulblets in 500 grams of oats.

(f) *Heavy oats*. Oats that have a test weight per bushel of 38 pounds or more but less than 40 pounds.

(g) *Smutty oats*. Oats that have kernels covered with smut spores to give a smutty appearance in mass, or that contain more than 0.2 percent of smut balls.

(h) *Thin oats*. Oats that contain more than 20.0 percent of oats and other matter, except fine seeds, that pass through a 0.064 × 3/8 oblong-hole sieve but remain on top of a 5/64 triangular-hole sieve after sieving according to procedures prescribed in FGIS instructions.

[52 FR 24418, June 30, 1987, as amended at 52 FR 24441, June 30, 1987]

Subpart H—United States Standards for Rye

TERMS DEFINED

§ 810.1201 Definition of rye.

Grain that, before the removal of dockage, consists of 50 percent or more of common rye (*Secale cereale* L.) and not more than 10 percent of other grains for which standards have been established under the United States Grain Standards Act and that, after the removal of dockage, contains 50 percent or more of whole rye.

§ 810.1202 Definition of other terms.

(a) *Damaged kernels*. Kernels, pieces of rye kernels, and other grains that are badly ground-damaged, badly weather-damaged, diseased, frost-damaged, germ-damaged, heat-damaged, insect-bored, mold-damaged, sprout-damaged, or otherwise materially damaged.

(b) *Dockage*. All matter other than rye that can be removed from the original sample by use of an approved device in accordance with procedures prescribed in FGIS instructions. Also, underdeveloped, shriveled, and small pieces of rye kernels removed in properly separating the material other than rye and that cannot be recovered by properly rescreening and recleaning.

(c) *Foreign material*. All matter other than rye that remains in the sample after the removal of dockage.

(d) *Heat-damaged kernels*. Kernels, pieces of rye kernels, and other grains that are materially discolored and damaged by heat.

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(e) *Other grains.* Barley, corn, cultivated buckwheat, einkorn, emmer, flaxseed, guar, hull-less barley, nongrain sorghum, oats, Polish wheat, popcorn, poulard wheat, rice, safflower, sorghum, soybeans, spelt, sunflower seed, sweet corn, triticale, wheat, and wild oats.

(f) *Sieve*— $0.064 \times \frac{3}{8}$ oblong-hole sieve. A metal sieve 0.032 inch thick with oblong perforations 0.064 by 0.375 ($\frac{3}{8}$) inch.

(g) *Thin rye.* Rye and other matter that passes through a $0.064 \times \frac{3}{8}$ oblong-hole sieve after sieving according to

procedures prescribed in FGIS instructions.

PRINCIPLES GOVERNING THE APPLICATION OF STANDARDS

§ 810.1203 Basis of determination.

Other determinations not specifically provided for under the general provisions are made on the basis of the grain when free from dockage, except the determination of odor is made on either the basis of the grain as a whole or the grain when free from dockage.

GRADES AND GRADE REQUIREMENTS

§ 810.1204 Grades and grade requirements for rye.

Grade	Minimum test weight per bushel (pounds)	Maximum limits of—				
		Foreign material		Damaged kernels		Thin Rye (percent)
		Foreign matter other than wheat (percent)	Total (percent)	Heat damaged (percent)	Total (percent)	
U.S. No. 1	56.0	1.0	3.0	0.2	2.0	10.0
U.S. No. 2	54.0	2.0	6.0	0.2	4.0	15.0
U.S. No. 3	52.0	4.0	10.0	0.5	7.0	25.0
U.S. No. 4	49.0	6.0	10.0	3.0	15.0

U.S. Sample grade—

U.S. Sample grade is rye that:

- Does not meet the requirements for the grades U.S. Nos. 1, 2, 3, or 4; or
- Contains 8 or more stones or any numbers of stones which have an aggregate weight in excess of 0.2 percent of the sample weight, 2 or more pieces of glass, 3 or more crotalaria seeds (*Crotalaria* spp.), 2 or more castor beans (*Ricinus communis* L.), 4 or more particles of an unknown foreign substance(s) or a commonly recognized harmful or toxic substance(s), 2 or more rodent pellets, bird droppings, or equivalent quantity of other animal filth per $1\frac{1}{4}$ quarts of rye; or
- Has a musty, sour, or commercially objectionable foreign odor (except smut or garlic odor); or
- Is heating or otherwise of distinctly low quality.

SPECIAL GRADES AND SPECIAL GRADE REQUIREMENTS

§ 810.1205 Special grades and special grade requirements.

(a) *Ergoty rye.* Rye that contains more than 0.30 percent of ergot.

(b) *Garlicky rye.* Rye that contains in a 1,000-gram portion more than six green garlic bulblets or an equivalent quantity of dry or partly dry bulblets.

(c) *Light garlicky rye.* Rye that contains in a 1,000-gram portion two or more, but not more than six, green garlic bulblets or an equivalent quantity of dry or partly dry bulblets.

(d) *Light smutty rye.* Rye that has an unmistakable odor of smut, or that contains in a 250-gram portion smut

balls, portions of smut balls, or spores of smut in excess of a quantity equal to 14 smut balls but not in excess of a quantity equal to 30 smut balls of average size.

(e) *Plump rye.* Rye that contains not more than 5.0 percent of rye and other matter that passes through a $0.064 \times \frac{3}{8}$ oblong-hole sieve.

(f) *Smutty rye.* Rye that contains in a 250-gram portion smut balls, portions of smut balls, or spores of smut in excess of a quantity equal to 30 smut balls of average size.

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